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ABSTRACT

The present invention relates generally to modifying biological and/or synthetic membranes or liposomes, or combinations thereof, for the purpose of altering immunity, or for the targeting of drugs and other agents to a specific cell type or tissue when administered *in vivo* to achieve a therapeutic effect. Modification of the membranes is achieved by incorporation and/or attachment of metal chelating groups, thereby allowing engraftment of one or more targeting molecules possessing a metal affinity tag, and a targeting of the engrafted membranes to specific cell types or tissues *in vivo*. The invention, thus, provides a means of modifying the properties of biological and/or synthetic membranes and liposomes for the purpose of altering or enhancing immunity when used as vaccines, or for the targeting of encapsulated/incorporated drugs or other agents to a specific cell type or tissue when administered *in vivo*, to achieve a therapeutic effect or response, or for modifying a physiological response or biological function.

AMENDED SHEET
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